ERRATA - A Nanoradio Architecture for Interacting Nanonetworking Tasks

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(1) **Page 10 - line 7:** $\mathrm{SNR}_a \triangleq \frac{a^2}{2N_aB}$.

(2) **Page 10 - line 5 after Fig. 5:** maximum likelihood decision rule $\rightarrow$ maximum a posteriori decision rule

(3) **Page 10 - Eq. (17) and (18):**

$$\frac{\tau_1^{(\mathrm{ML})}-\mu_n}{\sigma_n}=\sqrt{\frac{T}{2}}B\left(-1+\sqrt{\left(1+\frac{\mathrm{SNR}_a}{B}\right)\left(1+\frac{2}{T\mathrm{SNR}_a}\left(\frac{1}{\mathrm{SNR}_a}+\frac{1}{B}\right)\log\left[\left(\frac{1}{p_a}-1\right)^2\left(1+\frac{\mathrm{SNR}_a}{B}\right)\right]\right)}\right),$$

$$\frac{\tau_2^{(\mathrm{ML})}-\mu_n}{\sigma_n}=\sqrt{\frac{T}{2}}B\left(-1-\sqrt{\left(1+\frac{\mathrm{SNR}_a}{B}\right)\left(1+\frac{2}{T\mathrm{SNR}_a}\left(\frac{1}{\mathrm{SNR}_a}+\frac{1}{B}\right)\log\left[\left(\frac{1}{p_a}-1\right)^2\left(1+\frac{\mathrm{SNR}_a}{B}\right)\right]\right)}\right).$$

(4) **Page 11 - Eq. (21):**

$$\frac{\tau_i^{(\mathrm{ML})}-\mu_p}{\sigma_p}=\left(\frac{\tau_i^{(\mathrm{ML})}-\mu_n}{\sigma_n}-\sqrt{\frac{T}{2}}\mathrm{SNR}_a\right)\left(\sqrt{1+\frac{\mathrm{SNR}_a}{B}}\right)^{-1}.$$

(5) **Page 12 - bottom of the page:**

$$\mathrm{SCNR}_a=\frac{a^2|H_r(f_0)|^2}{a'^2|H_r(f_0+\delta_c)|^2+N_aB|H_r(f_0)|^2}.$$